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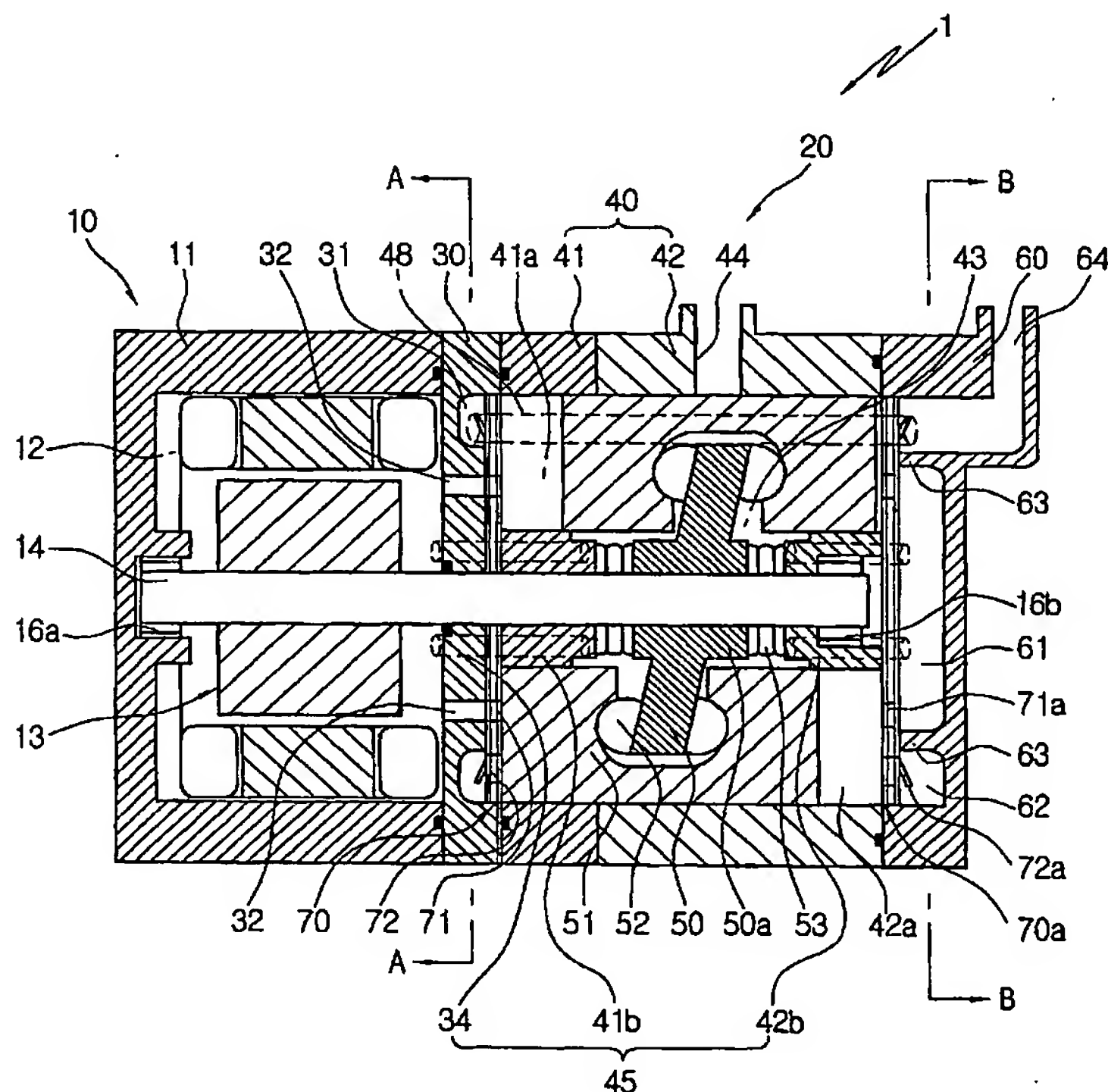
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(54) Title: MOTOR DRIVEN COMPRESSOR



(57) Abstract: A motor driven compressor which can use refrigerant sucked into a swash plate chamber of the compressor to efficiently cool an electric motor, in which a motor unit (10) has an electric motor (13) installed in an inside motor room (12) for rotating a drive shaft (14) and a compressor unit (20, 120) is installed at one side of the motor unit (10). The compressor unit (20, 120) comprises: a front housing (30, 130) having at least a discharge chamber (31, 131) therein; a rear housing (60, 160) having a suction chamber (61, 161) and a discharge chamber (62, 162) formed therein, the suction chamber (61, 161) being partitioned from the discharge chamber (62, 162), and a refrigerant discharge port (64, 164) formed at one side communicating with the discharge chamber (62, 162); a cylinder block coupled between the front housing (30, 130) and the rear housing (60, 160) and having a plurality bores (41a and 42, 141a and 142a) formed at both sides of the swash plate chamber (43, 143) and a refrigerant suction port (44, 144) formed at one side thereof; a swash plate (50, 150) placed in the swash plate chamber (43, 143) and coupled with the drive shaft (14) and a plurality of double head pistons (51, 151) for reciprocating within the bores (41a and 42, 141a and 142a) in cooperation with the rotation of the swash plate (50, 150); and feeding

means (17, 45, 145) for feeding refrigerant from the swash plate chamber (43, 143) partially into the suction chamber (61, 161) of the rear housing (60, 160).

WO 2004/094827 A1



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